WHAT IS IT?

The Q-Hub is a Rako to QMotion FM interface.

Programming via Rasoft Pro is required; once configured, the Q-Hub may be used in the following modes:

Wired mode

The Q-Hub will process Wired and Wireless Rako commands and transmit QMotion FM.

Etherbridge mode

Multiple Q-Hub units may be linked over IP to extend the QMotion wireless coverage

Wireless standalone mode*

Once the Q-Hub has been configured in Rasoft Pro, it will operate with a 12V power supply.

Rako RF to QMotion FM interface

The Q-Hub is a programmable Rako to QMotion FM interface for QMotion motors only.

Rasoft Pro and an Ethernet connection are required for setup; once the setup is complete, the Q-Hub can operate without an Ethernet connection.

Multiple Q-Hubs may be used should they be required; it is recommended to test the wireless range during the planning phase of the installation.

For full Rako app features and programming functionality (Events, Macros, Mappings, etc.), The use of an RK/WK Hub is required in conjunction with the Q-HUB.

The Q-Hub is required to be within range of both the Rako RF transmitters and the QMotion receivers in order to function.

NB

The QMotion FM signal cannot be repeated by any Rako product, including the Q-Hub.

* Wireless standalone mode requires wireless link mode to be enabled when an RK/ WK-HUB is communicating with a Q-HUB in a system; for direct communication between a Rako wireless keypad and the Q-Hub, this is not required.
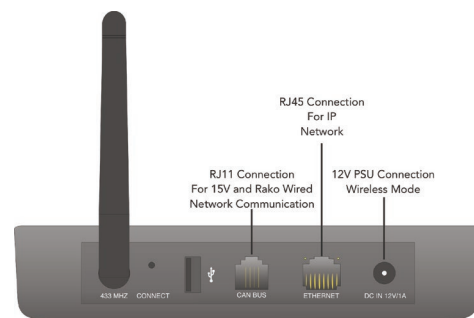
data sheet
Q-HUB

technical data

dimensions	150x150x30mm
input supply	15V DC from Rako Wired Network 12V DC from RAPSU or equivalent. Connection to concentric jack (Wireless)
weight	300g
climate range	Temperature +2C to +40C Humidity +5% to 95% non condensing
standards	Emissions - EN61000-6-3 : 2001 Immunity - EN61000-6-1 : 2001
communication	Wired network: CAN Wireless network: Coded FM radio, 433.9MHz, FSK transceiver Connection via RJ45 (ethernet) port to LAN QMotion FM (Transmit only)
memory	Flash memory (non volatile)

mechanical data

150mm

150mm

connection details

RJ45 Connection For IP Network

RJ11 Connection For 15V and Rako Wired Network Communication

12V PSU Connection Wireless Mode

433 MHZ   CONNECT   CAN BUS   ETHERNET   DC IN 12V/1A

example system

To IP Network RJ45 (Ethernet)

To Rako Wired Network (CAN BUS)

WK-HUB

Rako RF signal

QMotion FM signal

12V DC Supply

Q-HUB